

# SNP2Prot Retreat 09/26

Date: 17 & 18 September 2026

Location: IPK Gatersleben, Corrensstraße 3, 06466 Seeland, OT Gatersleben



## Schedule

v260819

Day 1 (17 Sep 2026)

| Time          | Topic                                                                                                                                                                                  | Length    |
|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|
| 8:00 - 9:30   | Bus transport; Halle - Gatersleben                                                                                                                                                     | 60-90 min |
| 8:00          | Halle, Hbf                                                                                                                                                                             |           |
| 8:15          | Halle, Heide-Süd                                                                                                                                                                       |           |
| 9:30          | IPK-Pforte Nord                                                                                                                                                                        |           |
| 9:30 - 9:45   | Opening and Welcome                                                                                                                                                                    | 15 min    |
| 9:45 - 11:00  | <b>Session1</b> Chair: Rümeysa Karakale                                                                                                                                                | 75 min    |
|               | <b>C01</b> <i>Climate-associated functional polymorphisms of terpene synthases in Arabidopsis thaliana</i>                                                                             |           |
|               | <b>C02</b> <i>Relevance of natural allelic variation in YUCCA genes for proteoform modulation, local auxin biosynthesis and phenotypic variation in natural Arabidopsis accessions</i> |           |
|               | <b>C03</b> <i>Impact of natural LPR1 proteoforms on Fe-dependent phosphate sensing</i>                                                                                                 |           |
| 11:00 - 11:15 | Group photo                                                                                                                                                                            | 15 min    |
| 11:15 - 12:30 | <b>IPK - Guided tour</b>                                                                                                                                                               | 75 min    |
|               | Group 1 (First name A-J): Dr. Kerstin Neumann – PhenoSphere & Gene bank                                                                                                                |           |
|               | Group 2 (First name K-Z): Dr. Ulrike Lohwasser – Gene bank & PhenoSphere                                                                                                               |           |
| 12:30 - 13:15 | Lunch<br>Casino                                                                                                                                                                        | 45 min    |
| 13:15 - 14:55 | <b>Session 2</b> Chair: Dionysios-Ermis Geladas                                                                                                                                        | 100 min   |
|               | <b>C04</b> <i>Function of mevalonate kinase proteoforms in the adaptation to specific climates</i>                                                                                     |           |
|               | <b>C05</b> <i>Impact of natural allelic variation on structure and function of the immune proteases SAP1 and SAP2</i>                                                                  |           |
|               | <b>B01</b> <i>Natural allelic variation of PI4P 5-kinases modulating plasma membrane processes in plants</i>                                                                           |           |
|               | <b>B02</b> <i>Allelic variation in the control of calcium-dependent protein kinase activity and function in plant-environment interactions</i>                                         |           |
| 14:55 - 15:15 | Coffee break                                                                                                                                                                           | 20 min    |
| 15:15 - 16:55 | <b>Session 3</b> Chair: Cecile Scholl                                                                                                                                                  | 100 min   |
|               | <b>B03</b> <i>Allelic variation of a vacuolar cation channel modulating ion homeostasis and calcium signalling in plants</i>                                                           |           |
|               | <b>B04</b> <i>Impact of allelic variation in jasmonate repressors on proteoform structure, co-receptor assembly and plant performance</i>                                              |           |
|               | <b>B05</b> <i>Role of plant SRO proteoforms in tolerance to oxidative and salinity stress</i>                                                                                          |           |
|               | <b>A03</b> <i>Mutation-sensitive prediction of transcription factor-DNA interactions in plants</i>                                                                                     |           |
| 17:30 - 18:00 | Bus transport; Gatersleben - Quedlinburg                                                                                                                                               | 15-30 min |
| 18:00 - 19:30 | Free time (incl. Check-In)                                                                                                                                                             | 90 min    |
| 19:30         | <b>Dinner</b><br>Romantik Hotel am Brühl                                                                                                                                               |           |

Day 2 (18 Sep 2026)

| Time          | Topic                                                                                                                                                                                  | Length    |
|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|
| 8:30 - 9:00   | Bus transport; Quedlinburg - Gatersleben                                                                                                                                               | 15-30 min |
| 9:00 - 10:40  | <b>Session 4</b> Chair: Christian Wall                                                                                                                                                 | 100 min   |
|               | <b>D01</b> <i>Relevance of natural allelic variation in YUCCA genes for proteoform modulation, local auxin biosynthesis and phenotypic variation in natural Arabidopsis accessions</i> |           |
|               | <b>D02</b> <i>Development of SNPstar 2.0 and computational prediction of putative proteoform candidates with high functional proteoform variation</i>                                  |           |
|               | <b>A01</b> <i>Structure-function analysis of NAC transcription factor proteoforms</i>                                                                                                  |           |
|               | <b>A02</b> <i>Functional proteoform variation in thermomorphogenesis master regulators</i>                                                                                             |           |
| 10:40 - 11:10 | Coffee break                                                                                                                                                                           | 30 min    |
| 11:10 - 12:50 | <b>Session 5</b> Chair: Philipp Hesse                                                                                                                                                  | 100 min   |
|               | <b>A04</b> <i>Quantitative cytogenetic characterisation and structural analysis of REC8 proteoforms in plant meiosis</i>                                                               |           |
|               | <b>A05</b> <i>Targeting of function and structure of Arabidopsis dicing complex proteoforms on microRNA biogenesis</i>                                                                 |           |
|               | <b>A06</b> <i>Functional significance of Argonaute 2 (AGO2) proteoforms in the antiviral response in Arabidopsis thaliana</i>                                                          |           |
|               | <b>Z02</b> <i>Protein expression, purification and analysis &amp; Proteomic mass spectrometry</i>                                                                                      |           |
| 12:50 - 13:50 | Lunch                                                                                                                                                                                  | 60 min    |
| 13:50 - 14:50 | <b>General Assembly Meeting</b>                                                                                                                                                        | 60 min    |
| 14:50 - 15:20 | Coffee break                                                                                                                                                                           | 30 min    |
| 15:20 - 16:40 | <b>PI meeting</b> → lecture hall<br><b>ECR meeting</b> → conference room genetic                                                                                                       | 80 min    |
| 16:40 - 16:55 | Open Discussion, Feedback & Farewell                                                                                                                                                   | 15 min    |
| 17:00 - 18:30 | Bus transport; Gatersleben - Halle                                                                                                                                                     | 60-90 min |
| 17:00         | IPK-Pforte Nord                                                                                                                                                                        |           |
| 18:15         | Halle, Heide Süd                                                                                                                                                                       |           |
| 18:30         | Halle, Hbf                                                                                                                                                                             |           |

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Additional programme part for **steering committee members**:

17:00 - 18:00 Follow-up discussion on project development

#### Hotel:

Best Western Hotel Schlossmühle, Quedlinburg

Kaiser-Otto-Straße 28

06484 Quedlinburg

Tel: +49 (0)3946-7870

<https://www.bestwestern.de/hotels/Quedlinburg/Best-Western-Hotel-Schlossmuehle/hotel>

#### Restaurant:

Romanik Hotel am Brühl

Billungstraße 11

06484 Quedlinburg

Tel: +49 (0) 3946 9618-0

<https://www.hotelambruehl.de/en>